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INTERNATIONAL SEARCH REPORT PCT/FR 02/01268 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/20 H01L H01L21/265 H01L21/762 H01L21/304 H01L21/306 H01L21/78 B32B31/00 H01L21/68 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L B32B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, INSPEC C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ° Citation of document, with indication, where appropriate, of the relevant passages FR 2 767 604 A (COMMISSARIAT ENERGIE 1-3,7,8,χ 11,12, ATOMIQUE) 26 February 1999 (1999-02-26) 15,20, 22-26,29 page 1, line 4 - line 25 page 2, line 12 -page 3, line 16; figures page 3, line 20 -page 6, line 6; figures page 6, line 17 -page 7, line 17 page 7, line 17 - line 31 page 8, line 11 - line 19 page 9, line 17 -page 10, line 3 page 11, line 14 -page 13, line 4; figures page 13, line 30 -page 15, line 15; figures 10,11 4-6,16, Υ 19,21, -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention 'E' earlier document but published on or after the International filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to

 L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O' document referring to an oral disclosure, use, exhibition or other means *P' document published prior to the international filing date but later than the priority date claimed 	involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu- ments, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
27 January 2003	06/02/2003
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+3170) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Klopfenstein, P

INTERNATIONAL SEARCH REPORT

tional Application No

	clinities of decreased with indication where expensions of the relevant passages	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	neievant to dailif NO.
A		24,26 9,10
X	FR 2 771 852 A (COMMISSARIAT ENERGIE ATOMIQUE) 4 June 1999 (1999-06-04)	1-4, 7-15, 17-20, 22,23, 25,27-29
,	page 1, line 5 -page 2, line 14 page 3, line 23 -page 6, line 26 page 8, line 1 -page 9, line 17 page 10, line 24 -page 11, line 27; figure 1	
	page 12, line 2 -page 13, line 12; figure 2	
	page 13, line 26 -page 15, line 6; figures 3,4	
Y		5,6,16, 19,21, 24,26
Х	EP 0 989 593 A (CANON KK) 29 March 2000 (2000-03-29)	1-6,11, 12,15, 16,19, 22,23, 25,26,29
	column 1, line 5 - line 17 column 35, line 15 -column 36, line 40; figures 9-11	
	column 36, line 58 -column 37, line 17 column 38, line 22 -column 39, line 24; figure 16	
A		7,17,18, 20,21, 24,27,28
Y	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05, 31 May 1996 (1996-05-31) & JP 08 017777 A (MITSUBISHI MATERIALS SHILICON CORP; OTHERS: 01), 19 January 1996 (1996-01-19) abstract	4-6
X	US 6 010 591 A (GOESELE ULRICH) 4 January 2000 (2000-01-04) column 1, line 7 - line 24 column 2, line 40 - line 67 column 4, line 15 -column 5, line 2; figure 1	1-6,11, 12,22-24
A	column 5, line 16 - line 26; figure 4	20,21, 25,29
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INTERNATIONAL SEARCH REPORT

II Ional Application No
PCT/FR 02/01268

0.40	War DOOUGENTO CONCIDENCE TO BE SELECTED.	FC1/FR UZ/U1208	
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	neievant to claim No.	
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 530 (E-1287), 30 October 1992 (1992-10-30) & JP 04 199504 A (MITSUBISHI ELECTRIC CORP), 20 July 1992 (1992-07-20) abstract	1,11,22 23,29	
A		23,29	
Р,Х	WO 01 43168 A (BAGDAHN JOERG ;FRAUNHOFER GES FORSCHUNG (DE); PETZOLD MATTHIAS (DE) 14 June 2001 (2001-06-14) page 1, line 5 - line 11 page 4, line 22 -page 5, line 6 page 5, line 28 -page 6, line 19 page 7, line 11 -page 9, line 6 page 9, line 15 - line 27 page 15, line 6 -page 16, line 27; figures 1,2 page 17, line 14 - line 31 page 19, line 22 - line 28; claims 1,10-12,14-16	1,2,7,8, 11-14, 20-24	
P,A	1,10-12,14-10	3-5,25,	
		29	

INTERNATIONAL SEARCH REPORT

Information on patent family members

ii tional Application No PCT/FR 02/01268

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2767604 A	26-02-1999	FR 2767604 A1 EP 0898307 A1 JP 11154652 A US 2002022337 A1	26-02-1999 24-02-1999 08-06-1999 21-02-2002
FR 2771852	A 04-06-1999	FR 2771852 A1 EP 0923123 A2 JP 11317577 A US 6159323 A	04-06-1999 16-06-1999 16-11-1999 12-12-2000
EP 0989593	A 29-03-2000	JP 2000100678 A JP 2000188269 A EP 0989593 A2 KR 2000023447 A TW 466626 B	07-04-2000 04-07-2000 29-03-2000 25-04-2000 01-12-2001
JP 08017777	A 19-01-1996	NONE	
US 6010591	A 04-01-2000	DE 19648501 A1	28-05-1998
JP 04199504	A 20-07-1992	NONE	
WO 0143168	A 14-06-2001	DE 19958803 C1 WO 0143168 A2	30-08-2001 14-06-2001